

**IN THE CLAIMS**

1. **(PREVIOUSLY AMENDED)** In a wideband mobile radio telecommunications system having heterogeneous services with different rates, a method of resource allocation comprising the steps of:

determining the current relative proportions of traffic of each rate in a telecommunications cell; and

applying a threshold to the loading level in said cell, the threshold being dependent upon the determined relative proportions.

2. **(PREVIOUSLY AMENDED)** A method according to Claim 1, wherein the relative proportion of high rate users is determined from a received signal strength indication for the cell.

3. **(PREVIOUSLY AMENDED)** A method according to Claim 2, wherein the determining step is performed in a base transceiver station which controls the cell.

4. **(PREVIOUSLY AMENDED)** A method according to Claim 3, wherein said base transceiver station sends to a central radio network controller the determined current relative proportions.

5. **(PREVIOUSLY AMENDED)** A method according to Claim 4, wherein said applied threshold is variable.

6. **(PREVIOUSLY AMENDED)** A method according to Claim 5, wherein said variable threshold is allocated to each cell by the radio network controller.

7. **(PREVIOUSLY AMENDED)** A method according to Claim 6, wherein the radio network controller maintains a table of threshold values for specific mixes of services and selects a threshold for a cell so as to maintain optimum network operation.

8. **(CURRENTLY AMENDED)** A wideband mobile radio telecommunications system comprising a core network, and a plurality of radio network controllers each controlling a plurality of base transceiver stations, there being traffic of various rates; wherein each base transceiver station is arranged to determine intermittently the relative proportions of traffic of each rate in a cell controlled by the base transceiver station; and each base transceiver station is arranged to apply a variable threshold to the loading level in the cell, the variable threshold being dependent upon the determined relative proportions.

9. **(PREVIOUSLY AMENDED)** A system according to Claim 8, wherein each base transceiver station is arranged to send to the radio network controller which controls it, a signal indicating the relative proportions and to receive from the radio network controller a variable loading limit to be applied.